

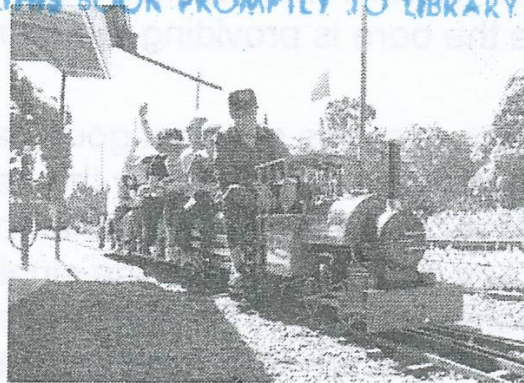


SAT 23/6
SASOTY Run Day

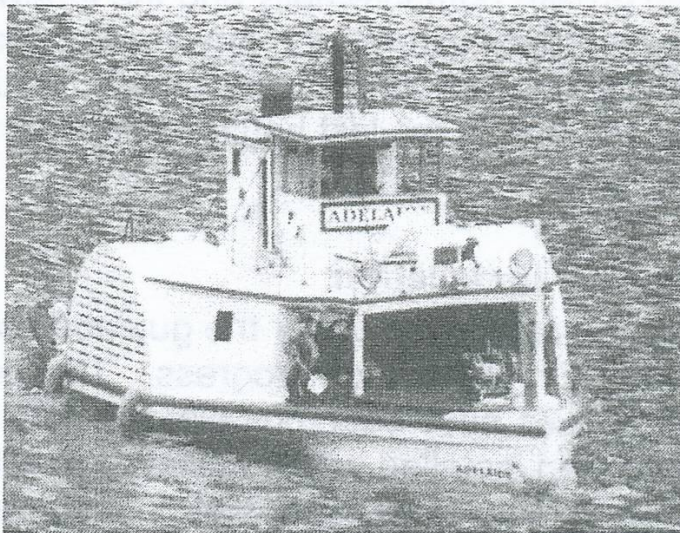
The Official Journal of
The South Australia Society of

Model & Experimental Engineers Inc.
& EXPERIMENTAL ENGINEERS

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JUNE 2018

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(This bulletin is issued for information only)

HAPPENINGS.

A round up of SASMEE events, news and other things.

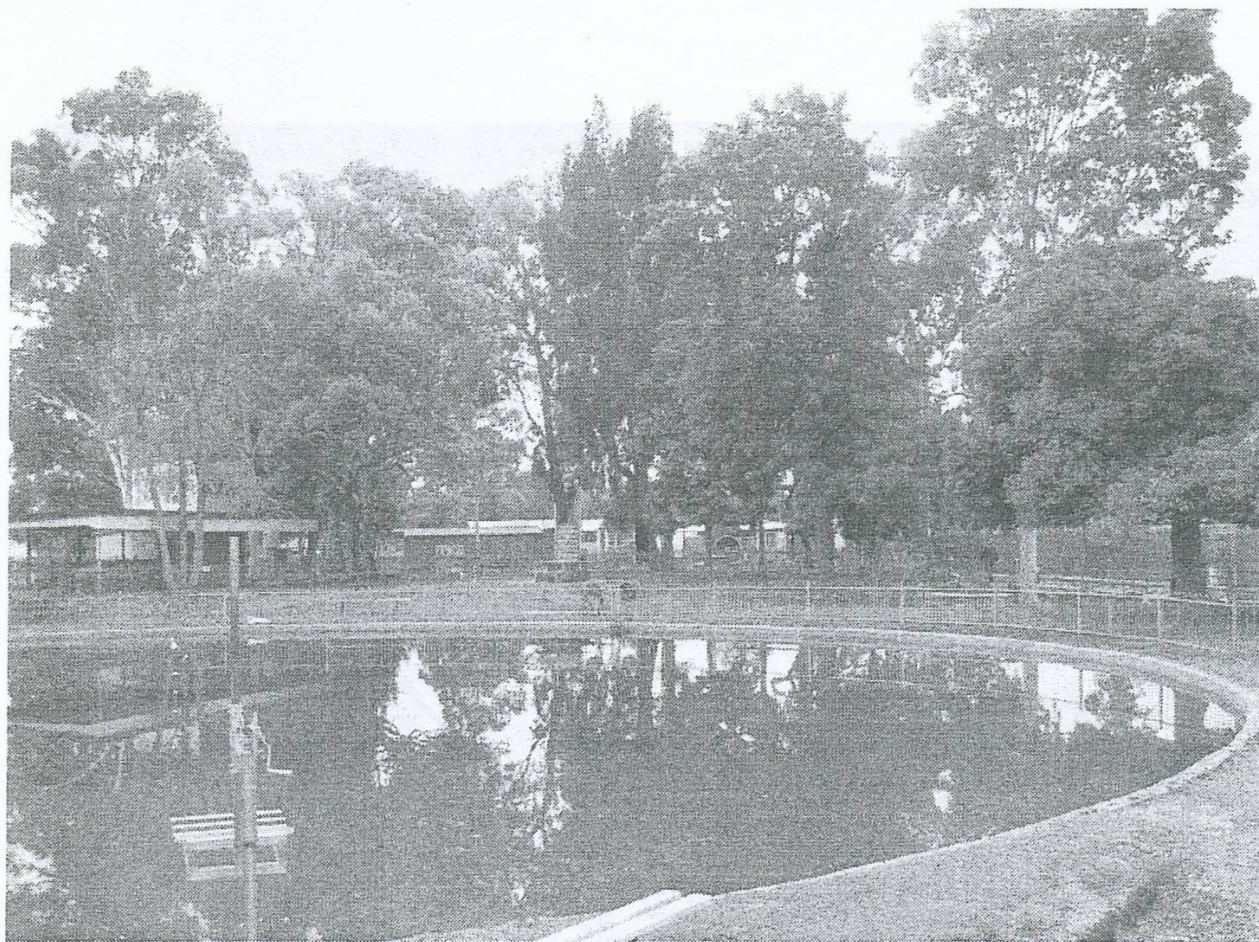
In the February Bulletin it was reported that cleaning and a great deal of maintenance was being carried out on the Boat pond after it was emptied. It can now be seen from the photo the pond is now full and looking pristine. However, water loss due to a "leaking" condition is of concern due to the cost of running the bore to maintain the desired pond level. The matter was discussed at the April meeting with various options being put forward with the fitting of a liner being investigated. Meantime the bore is providing the current answer.

A general view of the clubs grounds shows a good canopy of trees and lawns being in good condition provided by the seasonal conditions. On closer inspection there is a notable absence of weeds. This unusual aspect of any garden is due to the single handed effort of long term member, Graeme Driscoll. The Wednesday team that roll up usually undertake tasks in which they have expertise in as- needs dictate. Graeme, kitted out with his custom made spray support has been attacking weed growth both internally and the laneway with a pressure can and weed killer mixture for many years. Graeme considers his function is a job for life as fresh weeds continue to appear only to suffer the fate of the last batch. Many thanks to Graeme.

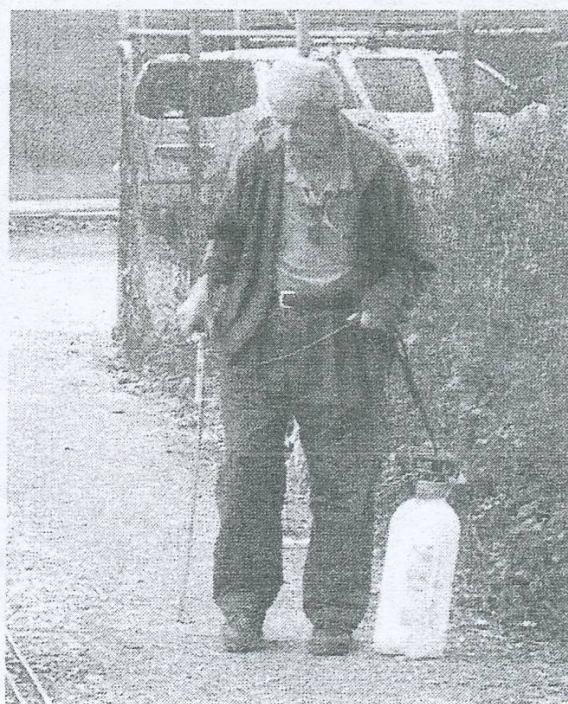
The Steam House boiler installation.

The new gas fired boiler installation under the guidance of Bernie Dickinson and his crew is making good progress. The major gas fitting and electrical facilities have been completed. The multi stage water feed pump has been installed which will ensure water feed against boiler pressure. Floor level water piping has been grouted in with some remaining external connections to be made. Appropriate signage [gas/water/elect] is in the process of being placed where required. One of the jobs on the longer term list is to replace the blow-down piping which is showing age deterioration, this will not affect the final commissioning date which will be announced when all the conditions of operation have been approved and certified. Watch this space!!

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A general view of the grounds overlooking the pond.



Graeme Driscoll at work.



The new gas fired boiler installation with Bernie in attendance.
Mid May 2018

In-capable of delivering an acceptable charge condition. An initial discussion of purchasing a 7 stage 36 volt charger with a built in computer for some \$476 led to deeper discussion resulting in the final decision to spend \$1,000 for the purchase of 2 units, one for "SAR351" the second unit to service "Apprentice".

SASMEE Website Additions.

Ongoing website modifications are being arranged by Jessica and Kingsley Foreman. Plans include merging the current site with a new format. Practical examples are, an automatic calendar, a contact phone number is being trialled on the site which will give the caller a message from which a return call can be made. The plan includes a "Members` page" [Members Only] for the inclusion of minutes of meetings plus the Bulletin etc. Other suggestions included the Club foot-ware rules on each page on the site as some people only view one page. It would be advantageous to have the position name of the contact person on the website if a business should wish to made contact with us. The potential of the site is wide open world-wide.

Royal Adelaide Show.

Once again the Royal Show is upon us. In the past years SASMEE has been a strong supporter with entries in the Handicrafts section of Class 338—Diesel type locomotives in 7 1/4", 5", 3 1/2", 32 or 45mm. Class 339---Steam locomotives in 7 1/4", 5", 3 1/2", 32 or 45mm gauges.

Entries forms must be submitted by 5.00pm on Friday 22nd June.

Entries can be posted, lodged in person or completed on line.

[Facsimile or emailed are not acceptable] Entry fees are \$7 per class.

In the case of SASMEE member entries, members will be reimbursed.

Delivery of entries is on the morning of Friday 24th of August to the Goyder Pavilion between 8-12 noon. Fellow members provide assistance in unloading etc where necessary.

Members will be required to man the stand during the show of which entry tickets will be supplied. See Jeff or Bill for ant details.

Word has it that entries will be from both Railway Park and Morphett Vale this year. Extended advertising for the Modelling hobby!!

First Aid coverage on field days.

St John`s Ambulance has provided first aid to the Club on field days for many years with an annual donation from SASMEE. Discussions are ongoing about a replacement service provider as St John`s are

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suffering labour shortages for onsite attendance plus the impost of a fairly healthy cost structure. Members will be advised of any alternative arrangements.

While on the subject of health, a proposal has been accepted that the club proceed with the purchase of a defibrillator. To support the equipment it is planned to seek the services of a professional instructor to demonstrate not only the defibrillator but provide a presentation to club members of the use and application of CPR first aid. Members will be advised of the timing for this important event.

General Maintenance.

It was raised at the May meeting as to the need to replace bogie wheel replacement on the Club's riding trucks due to flange wear. There are also thoughts that the addition of riding trucks may be needed in the light of customer support on field days. [879 customers through the gate on the Sunday field day in May] Under discussion.

Plans are in hand to replace the timber on the Lilly Pond Bridge due to age deterioration. Thoughts are centred around steel mesh or galvanised steel strip. Investigations/costing ongoing.

Safety Valve Run on June 23rd. From 12.30 Onwards. Refreshments to be provided throughout the day

Equipment Available.

Simon Huntington advised that he had a device for producing nameplates, labels etc. Contact Simon for further information. On a similar subject, Graham Dicker has a laser cutter for cutting and engraving. Give Graham a ring if any queries.

"Spot Drills".

If you have had to drill small holes accurately [say less than 1/8th-3mm] from a centre pop indent there is a tendency for the drill to deflect off the centre pop raised edge with a loss of the initial true position. One answer is to use a small end centre drill. Likely result, "Ping"!, away goes the costly tip of the centre drill. The alternative which I use is a "Spot Drill". These are a short stubby drill, usually have an included angle of 90 degrees [there are alternative angles] with little or no flute length. The web thickness is much thinner than a centre drill, so centre better, with less friction. Being short and stubby they do not deflect and will override the raised edges of the centre mark. If you are drilling a hole less than the diam. of the spot drill you have the added advantage of a chamfer being left. Drills can be bought on-line. I use a 3mm spot drill on all holes that require a hole where I want it to be.

SASMEE Canteen Notification.

Bryann and Mary Homann have taken over the management and running of the canteen. This is a demanding operation and the ongoing success of this important function will depend on the co-operation and adherence to a set of operating guide lines, as set out below.

SASMEE Canteen

Operating rules/notes.

1. During field days, no members other than canteen staff are to enter the canteen unless invited/requested by staff.
 - a. This is to avoid congestion, and to maintain food hygiene.
 - b. Members wanting food/drinks are to take their turn though the serving window-preferably the one nearest the meeting room.
 - c. Chip making equipment will only be operated by canteen staff.
2. At the end of each field day, a sufficient stocktake is done by the person in charge[Supervisor] on the day, so that re-stocking can be achieved reliably.
3. The rostered staff must carry out cleaning as required throughout the day, and leave all equipment clean and ready for re-use at the end of the day.
4. Special events [such as invitation evenings] are to be catered for by the event organisers.
 - a. Canteen equipment will be available for these functions, and will be the responsibility of the event organisers to ensure that the canteen is maintained properly, and left in a fit and clean state.
 - b. Specialised equipment, such as the chip cookers, are not to be used at any time outside field days, without prior approval from the canteen manager.
5. Breakages or equipment failures are to be logged, and advised to the canteen manager ASAP after the event. Any coffee mugs etc that are found to be cracked or chipped must be disposed of. It is against the law to serve food in such items.

Cont'd

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6. Any stock that reaches its “best by” or “use by” will not be offered for sale after that date. While all care will be taken to ensure out of date food is removed, anyone who finds out of date food is required to notify the Canteen Manager so that the situation can be rectified.

Thank you for your acceptance of the above. Bryann and Mary.

Garden Railway improvements.

Max Shuard and Jeff Schaefer were spotted constructing a walkway from the tunnel fencing leading down to the garden railway level. This path will greatly assist the movement and mobility of equipment necessary for the railway activities. The current method of crossing the ground level track and climbing the bank adjacent to the tunnel was considered a hazard plus the problems associated with handling models etc. Work is ongoing on this project.



Max and Jeff in the initial stages of the walkway.

Battery Recharging.

During the April meeting the issue of re-charging the batteries of the club locos in particular “SAR351” arose. The current charger is

Wood Pile deletion.

With the introduction of a gas fuel boiler the need for a supply of wood is no longer required. As shown in the photo below work has commenced to renovate the site and clear a area which could of use in future plans. The wreckers, complete with a jack hammer were Andrew, John and Ralph.



Editorial comment.

As the Editor, I see this publication as a means of letting those members who cannot attend the meetings, some idea of what's happening around the Club. I believe the inclusion of more articles relating to the theme of "Model engineering" on "I am making", "how I made it? how do you do it?" where did you obtain it?----- based articles would make interesting reading. Contact me if you have something to offer. Newer members may also benefit from the wealth of knowledge contained within the Club.

Notes on Australian Manufacturing, 1937 onwards.

The events leading up to the Second World War saw Australian manufacturing in state of un-readiness. How quickly we adapted.

The Sutton Tool and Gauge Company Pty Limited started business in 1917. Its origin dates back to 1011 when William Henry Sutton, born in Warwickshire in 1863 arrived in Melbourne. Sutton was well recognised in England as a leading tooling engineer and was engaged in the production of the first Wolseley car. He found work at Thompson's foundry in Castlemaine where he set up a tool room.

Sutton returned to England for the duration of the First World War. Back in Australia at the age of 54, he started his own factory with a capital of £400. His two sons were his staff. Equipment was a lathe, a small grinder with a milling attachment, a heat treatment plant and the family bath for quenching. He expanded as orders poured in and in 1933 moved to larger premises in High street, Northcote. William died in 1950. During and after the war, Suttons made gear cutting hobs used to produce turbine gears for the Whyalla ship yards and the Bendigo Ordnance Factory. Suttons was one of the few companies in the world capable of making and checking them for accuracy. Sutton's name continues today.

1938 events.

McPherson's sign a licensing agreement to make a range of British machine tools. Ajax Pumps works built at Tottenham, Victoria
Patience and Nicholson begin Drill manufacture at Maryborough, Victoria. Australian Pulp and Paper Mills Ltd uses Australian hardwood to make writing paper and printing papers at Burnie, Tasmania.
Australian Abrasives begins manufacture in Sydney. Rheem begins making water heaters, and Hercus open a plant at Southwark, South Australia.

1940 events

Ammonia and soda ash [basic raw material in making textiles, glass and soap] production begins at ICIANZ plant at Osbourne, South Australia. Annex of [one of 24] Ford's Geelong plant makes mines for the Navy. First Australian-made Tiger Moth flies. Walker's Ship yard at Maryborough, Queensland, lays the keel of the first of corvettes. BHP lays keel of four corvettes at its new Whyalla Shipyard.

1941 events

First ship launched at Whyalla. First purely Australian Beaufort bomber flies. Slazenger makes gas masks and rifle stocks. Japan enters the war.

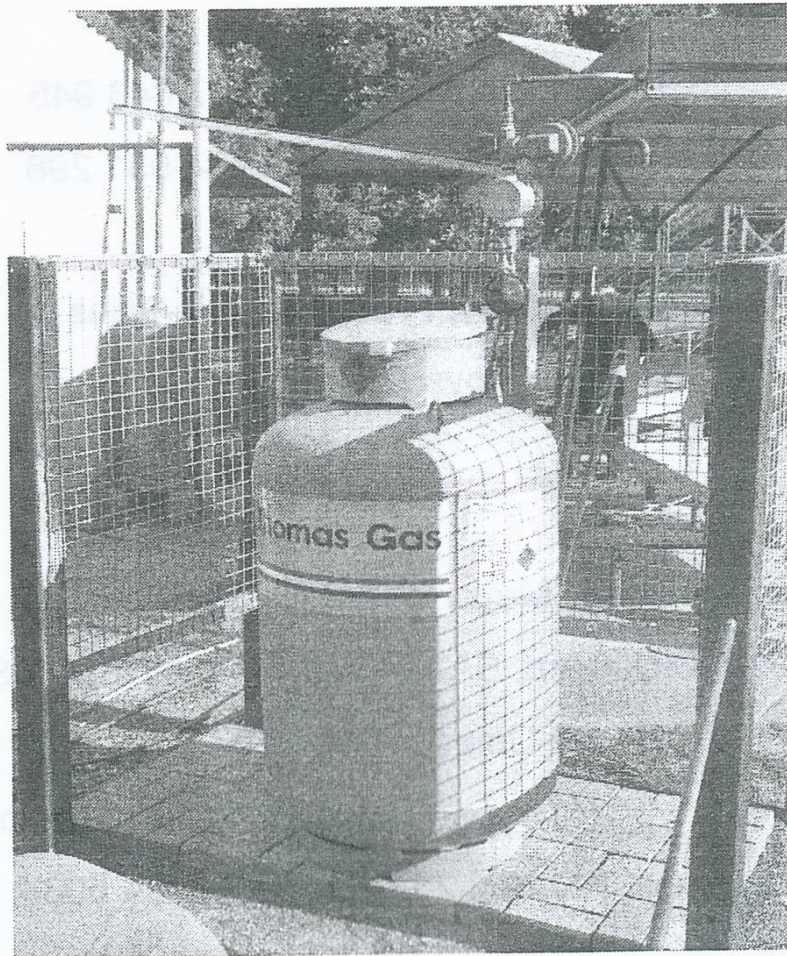
1943 Events

Tungsten carbide tools made in three Australian factories.

First Australian-made Mosquito flies. First River Class merchant ships completed. BHP makes two Chieftain class freighters at Whyalla to replace vessels sunk by Japanese submarines.

Production of machine tools peak, with 200 firms employing 12,000 people at an annual output of 14000 machine tools.

[Editors note, the above extracts were taken from a publication of 1987 titled, "Australian Made: Success stories in Australian manufacturing since 1937." By Brian Carroll. The publication was published by the Institute of Production Engineers which is recognised in the above notes.]



The above is the gas tank for fuelling the new boiler and is sited adjacent to the boat pond..

**SASMEE OFFICE BEARERS AND COMMITTEE FOR THE
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Boiler inspectors:

Bryann Homann 0417 843 945.

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Canteen: Bryann & Marry Homann.

Library: John Davey, Fred Gold. Bill Coles.

Auditors: Michael Moyse. Graham Gaetjens.

Patron: Lachlan Cline, Mayor of Unley City.

Vice Patron: Bernie Dickinson, BA CPEng, FIFE, Fi Mar. EST.

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